

APPARATUS AND METHOD FOR CELL DISRUPTION

ABSTRACT OF THE DISCLOSURE

An apparatus for disrupting cells or viruses comprises a
5 container having a chamber for holding the cells or
viruses. The container includes at least one flexible wall
defining the chamber. The apparatus also includes a
transducer for impacting an external surface of the
flexible wall to generate pressure waves in the chamber.
10 The apparatus also includes a pressure source for
increasing the pressure in the chamber. The pressurization
of the chamber ensures effective coupling between the
transducer and the flexible wall. The apparatus may also
include beads in the chamber for rupturing the cells or
15 viruses.